Product Requirements Document (PRD)

Product Name: BibleNotes (Android) **Version:** 2.0 (Final) **Date:** December 14, 2025 **Status:** Released

1. Executive Summary

BibleNotes is a premium, distraction-free note-taking application designed specifically for users who need quick access to Bible verses. Unlike standard note apps, BibleNotes features "Magic Fetch" technology, allowing users to insert Bible verses directly into their notes by simply typing a reference (e.g., @John 3:16).

2. Problem Statement

Users studying the Bible or listening to sermons often have to switch between a Bible app and a Notes app. This context switching breaks focus. Existing apps are either too complex or lack specific integrations for scripture citation.

3. Key Features

3.1 Core Note Taking

- **Create/Edit/Delete**: Full CRUD capabilities for notes.

- **Auto-Save**: Notes are saved automatically to the local database.

- **Rich Text Support**: (Planned for v3.0, current support is plain text with verse formatting).

3.2 Magic Fetch (Killer Feature)

- **Syntax**: Users type @Book Chapter:Verse (e.g., @Gen 1:1).

- **Trigger**: Fetching is triggered immediately upon typing a space after the reference.

- **Multi-Verse**: Supports ranges (e.g., @Luke 1:1-5), formatting each verse individually with its reference.

- **Cursor Aware**: Works anywhere in the document, inserting text at the cursor position without disrupting surrounding content.

3.3 User Experience (UX)

- **Smart Guide**: A dynamic hint ("Start typing...") appears when a note is empty and disappears immediately on focus to maintain a clean interface.

- **Premium UI**: Dark mode aesthetic with "Bible Cream" text and Gold accents.

- **Autocomplete**: Floating suggestions for Bible book names appear as the user types.

4. Technical Architecture

4.1 Tech Stack

- **OS**: Android (Min SDK 21, Target SDK 33).

- **Language**: Java.

- **Database**: Room (SQLite abstraction) for offline storage.

- **Networking**: Retrofit 2 for API calls to bible-api.com.

- **Build System**: Gradle with GitHub Actions for CI/CD.

4.2 Data Flow

1. **User Input**: Typed text is monitored by TextWatcher in

NoteActivity.

2. **Regex Parsing**: The app scans for the @Book Ch:V pattern near the cursor.

3. **API Call**: On match, an asynchronous request is sent to bible-api.com.

4. **UI Update**: The raw reference string is replaced by the formatted verse text using SpannableStringBuilder.

5. User Flows

5.1 Creating a Note

1. User opens app → Taps + FAB.

2. Enters Title (Optional).

3. Taps "Note Content" → Guide text vanishes.

4. Types content.

5. Taps "Save" or Back button → Note saved to list.

5.2 Fetching a Verse

1. User types "As it says in @John 11:35 ".

2. App detects space after 35.

3. App replaces @John 11:35 with:

John 11:35 "Jesus wept."

6. Future Roadmap (v3.0 + iOS)

- **Cross-Platform**: Rewrite in **Flutter** for simultaneous Android & iOS release.

- **Cloud Sync**: Sync notes between devices using Firebase or Supabase.

- **Bible Versions**: Support for multiple translations (KJV, ESV, NIV) via settings.

- **Rich Text**: Bold/Italic/Underline support.